Zoom

User Manual

2GOability.com 2GOability.com

YOU AND / OR YOUR ATTENDANT MUST READ AND FULLY UNDERSTAND THIS MANUAL BEFORE USE

General information

You have just purchased an **2GOability** Zoom scooter and we want to thank you for the confidence in our **2GOability** products. The Zoom scooter is a quality product.

The policy of **2GOability** is to continually improve the quality and reliability of our products. We reserve the right, therefore without prior notification, to alter this guide.

It is important that your guide for the use of the Zoom scooter is read carefully. The manual contains important information about the safe use and maintenance of your Zoom scooter. We recommend that you keep this guide, it is also your proof of warranty and you will find it useful for referring to it at a later date.

The safety instructions in this guide are general guidelines that must be seen as broad guidelines.

Your new **2GOability** Zoom scooter requires frequent maintenance, much of which you can do yourself.

Caution!

In this guide you will find information and warnings. These are clearly identified by the symbols below and the appearance of the text:

Tip
Information

Warning
To avoid personal injury, warnings must be followed

Fill out the information on your authorized dealer below:

Company: .....

Address: .....

.....

Telephone number: .....

Fax number: .....

Email address: .....

Website: .....

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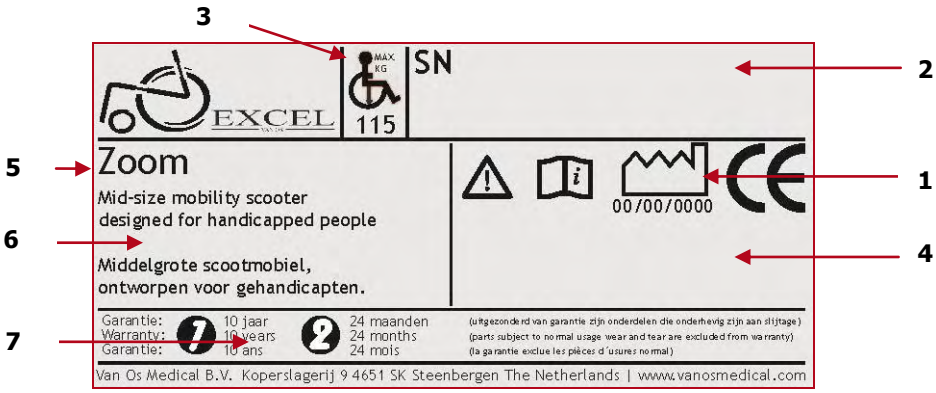
1 IDENTIFICATION

Your Zoom scooter is equipped with a unique serial number. You can find this number on the frame of your Zoom scooter. Below is an example of the frame label on which you can find the identification number. Furthermore you will find the explanation of the various data stored on the frame label listed below.



1. Production date — Production date of the Zoom scooter

2. Serial number — The unique serial number. You must have this number when making technical requests or if warranty parts are required.

3. Maximum user weight — The largest occupant weight allowed for protection of both the Zoom scooter and the user.

4. Type number — This number indicates which model of Zoom scooter you have, again this is always required when making technical calls.

5. Model name — The model name of your Zoom scooter.

6. Description — Description of the design of your scooter.

7. Warranty — This is the warranty period. Chapter 9 describes your warranty terms and conditions in more detail.

2 GENERAL EXPLANATION CONCERNING YOUR SCOOTER

2.1 Components of the scooter

1	Control panel	**11**	Seat tube
2	Handgrip	**12**	Basket
3	Delta tiller	**13**	Rear wheel
4	Basket	**14**	Anti-tip wheel
5	Tiller adjustment knob	**15**	Freewheel lever
6	Tiller lock knob	**16**	Battery pack
7	Front bumper	**17**	Seat rotation lever
8	Front fork	**18**	Seating
9	Front wheel	**19**	Armrest
10	Foot deck	**20**	Backrest

Your Zoom scooter is equipped with a number of elements and parts. You should know these before continue reading this manual. Designs and specifications may change without prior notice.

2.2 General explanation of the function and possibilities of your Zoom scooter

The Zoom scooter is equipped with multifunction brakes and stable wheels which roll easily. The Zoom scooter is especially developed so that it can be adjust to every individual user. Your Zoom scooter is a medical equipment product and is not a standard consumer product. You must follow this manual completely to ensure good, optimal and safe use of your Zoom scooter.

3 SAFETY REGULATIONS

2GOability specifically disclaims responsibility for any body injury or property damage which may occur during any use which does not comply with laws or ordinances. If used correctly, the **2GOability** Zoom scooter is an utmost safe and stable product, if the instructions for use as described in this manual are followed. However, it is possible when the **2GOability** Zoom scooter is not used correctly, dangerous situations may occur.

3.1 General safety regulations

Protect your **2GOability** Zoom scooter by checking it regularly. When a part of your Zoom scooter is not functioning properly, a dangerous situation could occur.

ⓘ Warning:

You must keep your Zoom scooter in a good state to guarantee safe use.

3.2 Warnings for safe use

***ⓘ Warnings*:**

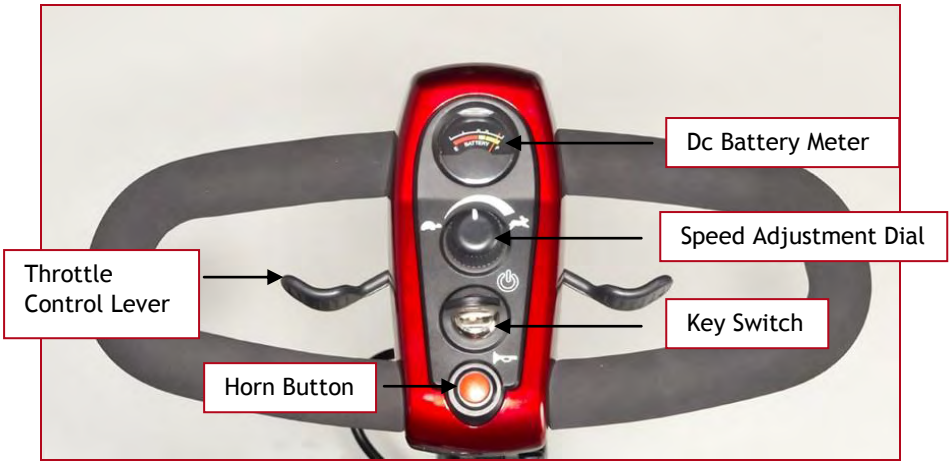
- Always operate your scooter with thought, care and safety;
- Do not drive into curbs;
- Never connect anything to the wheels;
- The maximum weight capacity has been indicated on your scooter frame label;
- Unauthorized modification and or use of parts not supplied by **2GOability** will invalidate the warranty of this scooter and may lead to injury to the user and or damage to the scooter;
- Before using your scooter, always check if the brakes are working perfectly;
- Do not let children play with or on your scooter;
- All wheels must be in contact with the floor at all times during use. This will ensure the scooter is properly balanced;

- Do not use the scooter when the brakes are not working;
- Do not turn your scooter suddenly at full speed;
- Do not use your scooter when it is damaged or has any malfunction;
- Do not attempt to use your scooter on an escalator. Always use an elevator;
- Do not carry passengers under any circumstances;
- Do not mount or dismount your scooter unless the brake is engaged;
- Always make sure that the key switch is set to "Off" before mounting of dismounting your scooter;
- Do not drive backwards with your scooter on an incline or across an uneven surface;
- Always make sure the seat is locked forward before operating your scooter;
- Always come to a full stop before changing direction from forward to reverse or from reverse to forward;
- Do not operate your scooter where you could not safely or legally walk;
- Do not climb ramps or curbs that exceed your scooters capacity;
- Always approach inclines straight on;
- Always be aware of and careful near mechanical pinch points especially when assembling and disassembling your scooter;
- Never sit on your scooter when it is being transported;
- Always fasten down your scooter securely with an approved tie-down system while transporting your scooter;
- Never operate your scooter if it is not functioning properly;
- Always use caution when driving on soft or uneven surfaces such as grass and gravel. Also use caution on decks where there is no railing;
- Always cross streets at intersections and use crosswalks or the most direct route, making sure that your path is clear and that you are visible to motor traffic;
- Never back up or down a step or curb;
- Never drive your scooter up or down a step or curb that is higher than 7cm;
- Do not drive your scooter in icy of salted conditions;
- Never drive on the roadway, except when you must cross the street;
- Never operate your scooter while you are under the influence of alcohol;
- Always check with your physician to determine if any of the medications you are taking may affect your judgment and/or your ability to operate your scooter. Also check with your physician concerning your physical ability to operate a scooter.

4 INSTRUCTIONS FOR USE

Your **2GOability** Zoom scooter is a battery-operated personal mobility vehicle. Please exercise caution and consideration when you are operating it. Driving your scooter carefully and thoughtfully will help ensure your personal safety and the safety of other people.

4.1 Delta tiller control panel



Control panel:

Speed Adjustment Dial

- ➔ The speed adjustment dial allows you to preselect the maximum top speed of your scooter.
- ➔ Turn the dial counterclockwise to operate your scooter at the lowest speed level.
- ➔ Turn the dial clockwise to increase the operational speed of your scooter.
- ➔ We recommend that you select a speed setting at which you feel comfortable, safe, and in control of your scooter.

Key Switch

This switch turns the power on and off to your scooter.

- ➔ Insert the key into the key switch.
- ➔ Turn the key 90 degrees clockwise to turn on your scooter´s power. Your scooter will beep once, the DC Voltage Meter will light up, and the needle will move to indicate that power is on.
- ➔ Turn the key back to the vertical position to turn off your scooter's power.

> ***Tip***
>
> Always make certain that the key is removed from the key switch before getting on or off your scooter or before lowering the tiller completely.

Horn Button
Press this button to sound the horn.

DC Voltage Meter
This meter shows the amount of voltage in your scooter's batteries.

- ➔ Green indicates a full charge on the batteries;
- ➔ Yellow indicates caution and approximately a one-half charge of the batteries;
- ➔ Red indicates that the batteries have less than one-half of a charge remaining.

> ***Tip***
>
> Your scooter will automatically turn itself off if the battery output falls to or below 18 VDC.

Delta Tiller Throttle Control Lever
The Delta Tiller enables you to use only one hand (either the right or left) to operate both the speed and the direction of the scooter. This self-centering lever system controls your scooter's speed (up to the maximum speed set by the speed adjustment dial) and its forward and reverse direction.

When the throttle control lever is completely released, it automatically returns to the center "stop" position and engages your scooter's brakes, bringing you to a complete stop. You will hear a "click" when the park brake engages.

Control Options
2GOability has made provision for the individual needs and abilities of the operators of the **2GOability** Zoom scooter.

Your authorized **2GOability** dealer can reverse the throttle control lever controls so that when you pull on the left side of the lever, your scooter will move in the forward direction, and when you pull on the right side of the lever your scooter will move in the reverse direction.

Delta tiller adjustment
The tiller on your scooter employs an adjustment knob to provide you with infinite tiller angle settings. See chapter 5.4.

4.2 Getting on and off

> ⓘ ***Warning:***
> When getting on or off your scooter, keep your weight toward the middle of the deck. Putting most or all of your weight on the edge of the deck may cause an unstable condition!

Before getting on your scooter:

- Check to be certain that the power is turned off. This will eliminate the possibility of accidentally activating the paddle controls and causing injury to yourself or to others;
- Check to be certain that your scooter's brake handle is in the engaged position;
- Flip up the armrests.

Getting on your scooter:

- Position the seat for safe and easy mounting;
- Return tiller to full upright position;
- Carefully place one foot on the approximate center of the deck and seat yourself comfortably and securely on the seat;
- Fasten the seatbelt, if your scooter is so equipped;
- Flip down or replace the armrests.

Getting off your scooter:

- Make certain that the power is turned off and the key is removed;
- Return tiller to full upright position;
- Flip up or remove the armrests;
- Unfasten the seatbelt;
- Carefully place one foot on the ground, transfer your weight to that leg, and slowly come to a standing position;
- Step away from the scooter.

4.3 Set up

> ***Tip***
> For your first driving session, make certain that your scooter starts out on a level surface and that you will continue driving on a level surface.

To get on your scooter:

- Stand behind your scooter;
- Make certain that the freewheel lever is in engaged position, see picture 1, this shows the freewheel mode where the brake is disengaged. Picture 2 shows when it is set in the drive mode where the brake is engaged;
- Pull up on the seat rotate lever, see chapter 5.3. Once the lever is pulled up and held in the "up" position, the seat can be freely rotated. Release the lever to lock the seat into one of the eight preset locking positions;
- Make certain that the seat is positioned for safe and easy mounting;
- Position yourself in the seat;
- Use the seat rotate lever to position the seat so that it is locked in the fully forward direction;
- Fasten your seat belt, if your scooter is so equipped;
- Place the key into the key switch;
- Rotate the key to the on position, see picture 3. Picture 4 shows how the key is positioned in the off position.

ⓘ Warning:

- Pushing the scooter too quickly in freewheel will cause the motor to act as a generator causing the scooter to become difficult to push;
- Never set your scooter in freewheel mode when it is on an incline;
- Never disengage the park brake while you are operating your scooter;
- Always make certain that your scooter park brake is engaged before inserting the key into the key switch and turning it to the on position.

Picture 1

Picture 2

Picture 3

Picture 4

4.4 Basic driving

- Make certain that you are seated safely and properly on your scooter;
- Turn the speed control dial fully counterclockwise to its slowest setting;
- Insert the key into the key switch;
- Turn the key clockwise to the "On" position;
- Place your hand on the handgrips;
  - If you wish to drive forward, pull back on the right side of the throttle control lever (or push the left side of the throttle control lever forward);
  - If you wish to drive in reverse, pull back the left side of the throttle control lever (or push the right side of the throttle control lever forward);
- Pull on the throttle control lever to gently accelerate your scooter;
- Release the throttle control lever to allow your scooter to come gently to a full stop;
- Practice these two basic functions until you feel that you have control of your scooter.

4.5 Steering

- Place both hands on the handgrips of the tiller, turn the tiller to the right to travel to the right;
- Turn the tiller to the left to travel to the left;
- Make certain to maintain sufficient clearance when turning your scooter so that the rear wheels will clear any obstacle.

ⓘ Warning:

Turning your scooter too sharply at a too high speed will create a situation where one of the rear wheels will leave the ground and the scooter will tip over. Avoid this at any time by decelerating and steering a wide arc around corners and obstacles.

Steering in a tight spot
If you must steer in a tight spot, such as entering or leaving a doorway or when you are turning around;
1. Bring your scooter to a full stop;
2. Set speed at the lowest setting;
3. Turn the tiller to the direction in which you wish to drive.

Steering in reverse
Please be extra careful when you are driving in reverse.
1. Use your right fingers to push the throttle control lever or use your left fingers to pull back on the throttle control lever;
2. Turn the tiller to the left to drive in reverse to the left;
3. Turn the tiller to the right tot drive in reverse to the right.

Tip
Your scooters speed is in reverse fifty percent of the speed setting at the speed control dial.

4.6 Control through tight spots

As you use your scooter to greatly increase your mobility, you will undoubtedly encounter some obstacles that will require practice to manoeuvre smoothly and safely. Below are some common obstacles that you may meet during the daily use of your scooter. Listed with those obstacles are some driving tips that should help you conquer those obstacles. Learn and follow those tips, and with surprising ease you will soon be in control of your scooter as you manoeuvre it through doors, up and down ramps, up and over curbs, through grass and gravel, and up and down inclines.

Ramps
When proceeding up any ramp, curb, or incline:
- ➔ Lean forward in your seat to move your centre of gravity forward for maximum stability and safety.

If the ramp has a switchback, good cornering ability is required:
- ➔ Manoeuvre your scooter so that the front wheels take wide swings around the corners of the ramp.
- ➔ Doing this will allow your scooter's back wheels to follow a wide arc around the corner, staying clear of obstacles.

If you must stop your scooter while driving up a ramp:
- ➔ Starting up again simply requires that you apply gentle and steady forward power pressure to the throttle control lever.
- ➔ Accelerate gently after stopping on any incline.

Driving down a ramp

- Keep your scooter's speed control dial set fully counter clockwise at the slowest speed setting.
- If you must come to a stop, release the throttle control lever slowly and smoothly.

Curbs

- Do not go up or down a curb that is higher than 7 cm;
- Always use caution when descending any curb;
- Approach the curb so that both back wheels of your scooter go over the curb at the same time;
- Never go down on a curbs by traversing them. Doing this will cause the scooter to tip over;
- Go down a curb slowly to avoid a jarring bump. Use as little power as possible.

Grass and Gravel

Your scooter performs admirably on grass, gravel, and hills, but you must follow the operational parameters presented in this manual, see chapter 3. If you are unsure about any situation, avoid it.

- Feel free to use your scooter on lawns or in park areas;
- Avoid long or high grass, which may wrap around your scooter's axles;
- Avoid loose gravel.

4.7 Going up an incline / down a decline

Driving on inclines

- For maximum stability, lean forward in your scooters seat while proceeding up ramps, inclines, curbs, or any low rise;
- Drive with caution when attempting to drive up to any incline, even handicap access ramps;
- Always climb or descend an incline by driving straight up or straight down the face of the slope;
- Do not traverse or drive across the face of an incline in any direction;
- Do not attempt to descend an incline that is covered with snow, ice, cut or wet grass, leaves, or any other potentially hazardous material;
- Do not back down an incline;
- Try to keep your scooter moving when climbing an incline. If you do come to a stop, restart and accelerate slowly and carefully;
- Do not try to descend or climb a slope whose gradient is greater than recommended. The recommended incline is 6°.

> ***Warning:***
> If, while you are driving down a slope, your scooter starts to move faster than you feel is safe, release the throttle control lever and allow your scooter to come to a stop. When you feel that you again have control of your scooter, push the throttle control lever forward and continue safely down the remainder of the slope.

Driving down a decline

- Lower speed setting
- Whenever it is safely possible, drive forward down any ramp, low rise, or incline.

2GOability does not recommend that you drive your scooter in reverse down any incline, ramp, curb, or low rise. Backing down any slope may create a very hazardous situation.
If it is necessary to back down a slope follow one of two procedures.

> ***Tip***
> When using either of the following procedures to back down a slope, **2GOability** strongly advises that you have the assistance of another person.

Procedure 1: Under power

- Set the key switch to the "Off position";
- Dismount your scooter;
- Set the key switch to the "On position";
- While standing next to your scooter, carefully operate the controls at the lowest speed setting;
- Slowly and carefully back your scooter down the incline;
- Carefully remount your scooter and resume normal operation.

Procedure 2: Emergency (No power)

- Set the key switch to the "Off position";
- Dismount your scooter;
- Set the freewheel lever to "Disengaged";
- While standing next to the scooter, carefully manually maneuver it down the slope;
- When you have reached a level surface at the bottom of the slope, position the freewheel lever in the engaged position;
- See chapter 7 to restore power.

> ⓘ ***Warning:***
> When your scooter is in freewheel mode, the park brake is released. The weight of the scooter on a slope may cause you to lose control of the scooter. If you do not feel capable of manually controlling your scooter down the slope, request assistance or do not attempt to use this procedure.

4.8 Motor braking system

Your scooter is equipped with a system that uses the motor to aid in braking. This motor brake system is designed to work when the key is in either the "On position" or the "Off position". When the key is in the "On position", the freewheel is in the engaged position, and the scooter is under power, the motor will help slow down the scooter as soon as you take your hand off of the throttle lever.

When the key switch is in the "Off position" and the freewheel is in the disengaged position, the motor brake system will keep you form pushing the scooter too fast (for example down a slope) you may notice this when pushing the scooter. The scooter will move freely until you reach a certain speed. You will then encounter some resistance as the motor brake system is activated.

4.9 EMI / RFI

The rapid development of electronics, especially in the area of communications, has saturated our environment with electromagnetic (radio) waves that are emitted by television transmitters, cellular phones, citizen's band radios (CBs), amateur radios (ham radios), wireless computer links, microwave transmitters, paging transmitters, etc. These electromagnetic (EM) waves are invisible and increase in strength the closer one gets to the source of transmission. When these energy waves act upon electrical devices and cause them to malfunction or to function in an erratic or uncontrolled manner, they are referred to as Electromagnetic Interference (EMI) of Radio Frequency Interference (RFI).

EMI / RFI and your scooter
All electrically powered vehicles, including scooters are susceptible to Electromagnetic Interference / Radio Frequency Interference (EMI / RFI). This interference could result in abnormal, unintended movement of your scooter.

> ⓘ ***Warning:***
> Unintended movement or brake release could cause an accident or injury.

The FDA has determined that each make and model of scooter can resist EMI/ RFI to a certain level. The higher the lever of resistance, the greater the degree of protection from EMI/ RFI – measured in volts per meter (V/m). The FDA has also determined that current technology is capable of providing 20 V/m of resistance to EMI/ RFI, which would provide useful protection against common sources of interference. This product has been tested and has passed an immunity lever of 20 V/m.

EMI / RFI recommendations

- Do not turn on or use hand-held personal electronic communication devices such as cellular phones, walkie-talkies, and CB radios while your scooter is turned on;
- Be aware of any nearby transmitters (radio, television, microwave, etc.) on your intended route and avoid operating your scooter close to any of those transmitters;
- Turn off the power if your scooter is going to be in a stationary position for any length of time;
- Be aware that adding accessories or components or modifying your scooter may make it more susceptible to EMI/ RFI;
- If un intended movement or park brake release occurs, turn your scooter off as soon as it is safe to do so.

ⓘ Warning:

Turn off your scooter as soon as it is safely possible if unintended or uncontrollable motion occurs or if unintended park brake release occurs.

MAKING ADJUSTMENTS TO YOUR SCOOTER CAN CAUSE BIG RISKS FOR YOUR SAFETY AND THE FUNCTION OF YOUR SCOOTER. ADJUSTMENTS MADE BY YOURSELF ARE STRONGLY ADVISED AGAINST AND CARRIED OUT AT YOUR OWN RISK.

5 INSTRUCTIONS FOR USE AND MOUNTING OPTIONS

In this chapter we will explore all the possibilities on your Zoom scooter.

Your scooter is a 2GOability Zoom scooter.

5.1 Technical information

2GOability Zoom scooter

Length	105 cm
Width	59 cm
Tires	Solid, low profile
Front wheels	9″
Rear wheels	9″
Weight capacity	115 kg
Ground clearance	7 cm
Weight of front half	20 kg
Weight of rear half	17 kg
Weight of seat without arms	7,25 kg
Maximum speed	8 km/h
Battery range using 2 12V, 18ah batteries at 95 kg.	15 km
Turning radius	99 cm
Battery pack weight	12 kg
Weight	45 kg
Weight with batteries	57 kg

5.2 Armrest adjustments

Armrest width adjustment

To adjust the armrest width:

- ➔ Loosen the adjustment knobs at the rear of the seat see picture 5;
- ➔ Slide the armrests in or out to the desired width;
- ➔ Tighten the adjustment knobs.

ⓘ *Warning:*

Be sure adjustments knobs are securely tightened against the inserted armrest tube. Do not exceed the maximum armrest width of 60,5 cm.

Picture 5

Flip-up armrests

Pull up on the end of either armrest to flip it up for easy transfer on and off your scooter.

Armrest angle

To increase the armrest angle, turn the armrest angle screw clockwise, see picture 6. To decrease the armrest angle, turn the armrest angle screw counter clockwise.

Picture 6

5.3 Seat adjustments

Seat rotation lever

The seat can be rotated through 360º and locked at any 45º position.

- ➔ Pull up on the seat rotation lever (see picture 7 arrow 1) and rotate the seat to the desired position;
- ➔ Release the handle to lock the seat at any 45º position.

Seat height adjustment

To adjust the seat height:

- ➔ Pull up on the seat rotation lever and lift the seat up and off of the seat pedestal;
- ➔ Remove the nut and bolt that holds the seat post in the seat pedestal, see picture 7 arrow 2;
- ➔ Position the seat post at the desired height while aligning the holes in the seat post and the seat pedestal;
- ➔ Replace the nut and bolt;
- ➔ Pull up on the seat rotation lever when placing the seat back on the seat post.

Picture 7

5.4 Disassembly

> ⓘ ***Warning:***
> A pinch point is an area where you MUST pay attention to your fingers that they won't get pinched between two metal areas. The greatest chance of pinch points becomes possible during the assembly of the scooter.

Your scooter is designed to be disassembled easily for transporting. When disassembling your scooter, please be sure to follow the following instructions;

ⓘ *Warning:*

Remove the key from the key switch before you begin to disassemble your scooter!

Remove the seat

- ➔ Place your scooter on a level surface;
- ➔ (Optional) Loosen the armrest adjustment knobs and remove the arms from the seat. This will reduce the weight of the seat making it easier to lift;
- ➔ While holding the seat rotation lever up, grab the seat on opposite sides and with a firm grip pull the seat straight up towards you, see picture 8.

Picture 8

Remove the battery pack

- ➔ Lift the battery pack off the scooter, see picture 9.

Picture 9

Remove the floor basket

- ➔ Lift the floor basket up and off of the frame, see picture 10 arrow 1;
- ➔ Lift the front basket off of the tiller, see picture 10 arrow 2.

Picture 10

Fold down and lock the tiller

- ➔ Push in and turn the tiller lock clockwise 90°, see picture 11 arrow 1. This will lock the front wheel to keep it from turning side to side to help control while carrying;
- ➔ Loosen tiller adjustment knob and fold the tiller down flat, see picture 11 arrow 2. Then tighten the adjustment knob to secure the tiller in its new position. Once the tiller is lowered and locked, you may use it as a handle for easy transportation. Grab it by the plastic on the tiller, see picture 11 arrow 3.

Picture 11

Separate the drivetrain from the frame

> ⓘ ***Warning:***
> Be careful not to pinch your fingers between the frames. This area is a pinch-point and requires your full attention.

- ➔ Pull up the drivetrain release lever, see picture 12;
- ➔ Pull the frame up and off of the drivetrain, see picture 13.

Picture 12

Picture 13

5.5 Assembly

> ⓘ ***Warning:***
> - ➔ Be aware of any possible pinch pints when connecting the rear frame to the front frame. Please note warning labels at pinch points during assembly;
> - ➔ Pinching and crushing hazard! Increased hazards due to pinching or crushing result due to the component weight (such as batteries) during preparation for transport and maintenance work. Always carry out any work to be done with great care. Always try to get help from a second person, especially when stowing parts for transport;
> - ➔ Ensure that all components in the scooter have been correctly assembled. After assembly, check that all locking devices are holding correctly by lifting the rear frame to make sure the drivetrain is locked in place;
> - ➔ Injury hazard due to improper assembly! Ensure that all components in the scooter have been correctly assembled. After assembly, check that all locking devices are holding correctly;
> - ➔ Be sure you have all the important parts! See picture 14.

Picture 14

Reinstall the drivetrain

- ➔ Line up the frame and the drivetrain, see picture 15;
- ➔ Lower the frame onto the drive train until the drivetrain release lever engages.

Picture 15

Install the battery pack

- ➔ Gently lower the battery pack onto the frame, see picture 16.

Picture 16

Picture 17

Raise the tiller

- Loosen the tiller adjustment knob and raise the tiller, see picture 17;
- Tighten the tiller adjustment knob at the desired position.

To set the tiller to your preference, follow these directions;

- Use one hand to grasp a handgrip;
- Use your other hand to loosen the tiller adjustment knob;
- Position the tiller to a comfortable driving position;
- Tighten the tiller adjustment knob.

> ***ⓘ Warning:***
> Make sure you tighten the tiller knob securely in the desired position.

Replace the floor basket and tiller basket

- Replace the floor basket onto the frame;
- Replace the tiller basket onto the tiller.

Placing the seat

> ***ⓘ Warning:***
> - Pinch point! Keep your hands and clothing clear of the seat swivel post and seat post;
> - Accident hazard due to non-engaged seat! Ensure that the seat is properly engaged by turning the seat slightly left and right.

- Hold the seat on an angle so you can see the seat swivel post underneath;
- Place the seat swivel post into the seat post as shown in picture 18;
- Pull up on the seat release lever to lock the seat into place.

Picture 18

Unlock the tiller

➔ Turn the tiller lock knob to the unlocked position, see picture 19.

Picture 19

ⓘ Warning:

➔ If you do not unlock the tiller lock knob, the tiller will not turn! This will cause injury!

➔ Engage the park brake!

➔ Accident hazard due to incorrect seat position! Always turn the seat to face forwards and engage it before driving. If the seat is in any other position, the possibility of tipping is increased. Before turning the seat, always ensure that the scooter is on an even and solid surface.

6 TRANSPORT AND TRANSIT IN CAR

Your **2GOability** Zoom scooter is designed to be easily transported by car. See chapter 5.4 how to disassemble your scooter and see chapter 5.5 assembly for mounting your scooter.

To transport your scooter

- Disassemble or fold down the seat and tiller as close as possible to the loading area of the vehicle to be used for transporting your scooter;
- The degree to which you disassemble your scooter or fold the seat and tiller down depends on the size and shape of the cargo area of the transporting vehicle;
- Do not lift your scooter by its plastic body parts or tiller. Breakage of these parts is not covered by the warranty;
- Do not use the tires or wheels to lift the rear carriage. The carriage may rotate and cause injury or damage;
- Moving blankets or other forms of padding must be used to protect your scooter during transporting.

ⓘ Warning:

- If your scooter and its components are not properly and securely stowed during transportation, the scooter or the components may move or become airborne and cause injury or damage;
- Never sit on your scooter when it is being transported. Always fasten down your scooter securely with an approved tie-down system while transporting your scooter.

7 CARE AND MAINTAINANCE

Routine maintenance

The **2GOability** Zoom scooter is virtually maintenance free. All off the bearings on your scooter are permanently lubricated and sealed. No additional lubrication is required. There are, however, several things that you can do to help keep up the appearance and maintain the performance of your scooter.

Cleaning your scooter

Tires

Clean the tires with ordinary kitchen-type cleaners and a damp cloth. Do not use solvents on the tires. Solvents can cause the tire material to break down or become too soft.

Body

- ➔ Clean the body of your scooter with a damp cloth. Do not hose down your scooter! Dry with a clean soft cloth;
- ➔ Use cool water mixed with a mild soap to remove dirt and oils;
- ➔ Clean by hand with a soft cloth.

Vinyl seat

Clean with a mild soap or mild detergent and a damp cloth. A vinyl cleaner may also be used.

Cloth seat

Clean with a damp cloth. You may also use an upholstery cleaner. Make certain that you do not soak the cloth seats. The foam rubber will hold water.

Batteries and charging

Battery maintenance is the most important part of maintaining of your scooter. Keeping the batteries fully charged helps to extend battery life. Use the following guidelines to help keep your batteries in optimum condition.

- ➔ To break-in the batteries, completely run down the batteries 4-5 times. This will increase battery life and help them retain their maximum charge;
- ➔ For daily use, keep batteries fully charged. We recommend that you plug in the off-board charger after each use and charge 6-8 hours;
- ➔ If you are not going to use the scooter for more than a week, fully charge the batteries and then disconnect them from the scooter.

To charge the batteries

The charger is on an off-board charger. To charge the batteries, plug the charger into the charger port on the battery pack, see picture 20.

Picture 20

Battery maintenance

GEL-cell or AGM and SLA deep-cycle batteries are used for operating **2GOability** scooters.

- These batteries are maintenance free;
- There is no danger of pillage or leakage, so these batteries are safely transportable on aircraft, busses, trains, etc.;
- By following the procedures set out in this manual, you can expect extended life from your batteries.

If the battery terminals become corroded

- Corrosion can cause a poor electrical connection and operational problems;
- Clean corroded battery terminals with a stiff brush and a mix of baking soda and water.

If your scooter does not operate

- Make certain that the freewheel lever is set to the engaged position;
- Check the main circuit breaker. If necessary, reset the circuit breaker;
- Make certain that the speed adjustment dial is at the desired setting;
- Make certain that the key switch is set to the "On" position.

If none of the above procedures solve the problem, contact your authorized **2GOability** dealer.

Main circuit breaker

The 50-amp main circuit breaker reset button is located on the side of the battery pack, see picture 21.

Picture 21

> ⓘ ***Warning:***
> Do not attempt electrical repairs. Consult **2GOability** or your authorized **2GOability** dealer.

If, for no apparent reason, your scooter stops operating, the main circuit breaker may have tripped.

Possible causes for the main circuit breaker to trip

- If your scooter is equipped with pneumatic tires, low tire pressure can cause the motor to overload and trip the main circuit breaker;
- Driving up a long, steep hill;
- Driving over a curb;
- Run-down batteries.

As you operate your scooter, battery voltages go down and battery current must rise to satisfy the demands of the motor and of other electrical devices operating on your scooter. This can cause a heavy current draw that will trip the main circuit breaker.

Remedy:

- Recharge your scooters batteries. See "Charger and Batteries" in this section of this manual;
- If the problem continues, have your authorized **2GOability** dealer load test the batteries;
- If the batteries are good, the charger may be the problem. Consult your authorized **2GOability** dealer.

Resetting the Main Circuit Breaker

- If the main circuit breaker trips as a result of run-down batteries or because of a temporary overload, reset the circuit breaker;
- Wait ten minutes or so for the motor control board to return to the normal operating temperature range;
- Make certain that the key switch is set to the "Off" position;
- Press the reset button in on the main circuit breaker, see picture 21.

Tip

If the main circuit breaker continues to trip, there is probably an underlying electrical fault that needs attention, consult your **2GOability** dealer.

8 PROBLEM ANALYSIS AND SOLUTIONS

Your **2GOability** Zoom scooter is inspected and adjusted so that you can use it immediately.

Diagnostics

The diagnostics feature of your scooter microprocessor based motor control board functions as follows;

- Any fault condition with the controller or with an associated system will cause the scooter to beep;
- The beep codes will occur as a series of beeps after one long beep;
- The number of beeps in each series is referred to as the "Beep Code";
- The beep code indicates the nature of the condition of fault.

Beep codes

1 Beep

- Indicates that the battery voltage (with the throttle control lever in the neutral position) is below 19 volts;
- The batteries need to be charged;
- Your scooter will continue to operate at reduced speeds until the voltage fall to 17.5 volts;
- As the voltage drops you will experience a power loss.

Remedy: charge your scooter batteries.

2 Beeps

- Indicates that the battery voltage has dropped to 17,5 volts;
- At this voltage your scooter will cease operation;
- If you have charged the batteries and the condition continues, one or both of the scooter's batteries may be at fault;
- The continuance of this condition after you have charged your scooter batteries may also indicate a problem with the battery charger.

3 Beeps

Consult your authorized **2GOability** dealer.

4 Beeps

- Indicates that the motor control board is overloaded and overheated;
- An overload can occur if you have been driving your scooter for an extended period of time up an incline that is steeper than the recommended grade;
- An overload can occur if your scooter is carrying a payload that is higher then the recommended weight capacity;
- If your scooter is equipped with pneumatic tires and they are underinflated, an overload can also occur. Underinflated tires cause the motor to draw large amounts of current. This high draw overheats the motor control board;
- Your scooter will not operate until the motor control board cools back to its operational temperature range.

Remedy:

- Turn off your scooter key switch and allow the scooter to sit for 10 minutes;
- Check the tire pressure;
- Have your authorized **2GOability** dealer perform a battery load test.

5 Beeps

- Indicates a brake problem;
- The freewheel lever may be in the disengaged position;
- The brake or the brake wiring may be damaged;
- For safety reason, your scooter was designed to cease operation until the problem is corrected.

Remedy:

- Make certain that the freewheel lever is in the engaged position;
- Turn the key switch to the "Off" position to stop the beep code;
- Set the freewheel lever to the "engaged" position;
- Turn the key back to the "On" position;
- If the above remedies do not solve the problem, contact your authorized **2GOability** dealer.

6 Beeps

- Indicates that the throttle control lever was not in the neutral position when the key switch was turned to the "On" position.
- May indicate that the throttle control lever is out of adjustment.

Remedy:

- Turn the key switch to the "Off position";
- Make certain that the throttle control lever is in the neutral position;
- Turn the key switch to the "On" position;
- If the above procedure does not solve the problem, contact your authorized **2GOability** dealer.

7 Beeps
- ➔ Indicates a problem with the throttle control lever;
- ➔ May also indicate a problem with the potentiometer (speed control);
- ➔ Your scooter will not operate until the problem is resolved.

Remedy:
- ➔ Make certain that all electrical connections are firmly and correctly joined;
- ➔ If the connections are all firmly joined and the problem is not solved, contact your authorized **2GOability** dealer.

8 Beeps
- ➔ Indicates a motor voltage problem;
- ➔ Your scooter will not operate until the problem is corrected.

Remedy: Contact your authorized **2GOability** dealer.

9 Beeps
- ➔ Indicates other internal errors or faults;
- ➔ Your scooter will not operate until the problem is corrected.

Remedy: Contact your authorized **2GOability** dealer.

9 WARRANTY

9.1 Warranty application

Together with your Zoom scooter you get the factory warranty. This warranty is only granted to you as the consumer. It is not intended to be used commercially (like hiring or institutional use). The warranty is limited to defects to materials and possible hidden shortages. **2GOability** offers a warranty period of 2 years on the complete product except the batteries: 6 months.
Also you can find the warranty periods label on the frame of your Zoom scooter. See also chapter 1.

Tip

We recommend the use of only **2GOability** replacement parts. If you do not use original parts, the warranty will be expired.

9.2 Warranty definition

Your manual is also the warranty form, fill in the relevant details on page 2 and store it carefully.

Warranty conditions
The warranty period commences upon the date of purchase. If within the warranty period, your Zoom scooter will be defect, it will be repaired or replaced. However you do need to provide to **2GOability** a complete filled in warranty registration form, a copy of the bill with the date of purchase and the original packaging.

Tip
- Warranty is not transferrable.
- For more information and the location of service agents please visit our website: www.**2GOability**.com

This warranty does not include any labour charges incurred by replacements.

Under normal circumstances no responsibility is accepted when the Zoom scooter needs replacement or repairs as a direct result from:
- Not maintaining the Zoom scooter and parts according to the recommendations of the manufacturer, or not using the specific original parts;
- Damaging the Zoom scooter or parts by inattentive use, accident or wrong use;
- Adjusting the Zoom scooter or parts, different from the specifications of the manufacturer, or reparations done before the service agent is warned.
- If the product is not equipped with an original factory frame number and identification label as described in the manual, see chapter 1.

The Zoom scooter that is described and showed in this manual can differ from your own model in details. However, all instructions are relevant, independent of slightly different details. We reserve the right to change the product in this manual without further notice. All drawings, measures and capacities showed in this manual, are approximations and may be slightly different to your Zoom scooter specifications.

Warning:
2GOability can not be liable for any consequent or individual damage whatsoever. While this manual is created with care it is not exclusive. The warranty is only valid during the indicated period. If adjustments are made to the Zoom scooter, which have structural impact on the product, the warranty will expire completely. You can visit www. **2GOability**.com for an enlarged warranty and supply conditions and an address list of service agents.

10 GENERAL MAINTENANCE INSTRUCTIONS

Your Zoom scooter needs periodical maintenance. A badly maintained Zoom scooter will give more technical problems, turn less flexible and fall out the warranty terms.

Preventive maintenance is most important and many of these things you can easily do yourself or a friend or family member can help you. We highlight below the maintenance you can do yourself.

Inspection	Daily	Monthly	Yearly	Done by
Working of the brake	X			User
Checking the reversibility of front wheels	X			User
Cleaning		X		User
Checking the stability of the frame			X	Retailers
Oiling the wheel bearing			X	Retailers

Tip

The **2GOability** Zoom complies with EN 12184 and EN 1041. For more information, please visit our website, www.**2GOability**.com

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